#5

AMENDMENTS TO CLAIMS

1. A cooling exchanger comprised of a cooling base plate, two units of water pans and two units of water pumps characterized by that:

~~Said~~ said cooling base plate having two units of contact ~~plats~~ plates incorporated with multiple units of SbBi crystals and bridged with a conductor;

~~Outer~~ outer edges between said two contact plates coated with insulation resin to close and separate a shortage;

~~Two~~ two units of said SbBi crystal containing having opposite polarities connected to a DC source and both contact plates connected to it having relative temperature difference (ΔT);

~~Said~~ said two units of water pans each being a hollow ~~Container~~ container;

~~The~~ the front of the water pan has a water inlet and a water outlet;

~~Four~~ four corners of the water pan having a protrusion of a bolting hole;

~~The~~ the bolting hole having a locking member to pass through to hold it in position;

~~Both~~ both of said water pans mutually held in position on the contact plate of the cooling base plate;

[[A]]a pipe each connecting the water inlets and the water outlets from said two units of water pans to form a closed pipeline;

~~Water~~ water controlled by a water pump circulating in said closed pipeline;

and

~~The~~ the water from the closed pipeline flowing into said two units of water pans and completing heat exchange subject to the temperature difference (ΔT) of the cooling base plate to reduce the temperature of the water circulating in the water pans.

2. The cooling exchanger of claim 1 wherein said ΔT is caused by controlling a conduction time.

3. The cooling exchanger of claim 2 further comprising a coil, heat sinks cladding said coil, and an eccentric fan;

said coil being part of said closed pipeline; and

said eccentric fan being adapted to draw room air across said heat sinks.

4. The cooling exchanger of claim 1 further comprising a coil, heat sinks cladding said coil, and an eccentric fan;

said coil being part of said closed pipeline; and

said eccentric fan being adapted to draw room air across said heat sinks.

TRAVERSAL OF CLAIM REJECTIONS

Applicant respectfully traverses the Examiner's rejection of claim 1 and requests the Examiner to reconsider and withdraw the same.

COMPLETE LISTING OF CLAIMS

1. (currently amended) A cooling exchanger comprised of a cooling base plate, two units of water pans and two units of water pumps characterized by:

said cooling base plate having two units of contact plates incorporated with multiple units of SbBi crystals and bridged with a conductor;

outer edges between said two contact plates coated with insulation resin to close and separate a shortage;

two units of said SbBi crystal containing having opposite polarities connected to a DC source and both contact plates connected to it having relative temperature difference (ΔT);

said two units of water pans each being a hollow container;

the front of the water pan has a water inlet and a water outlet;

four corners of the water pan having a protrusion of a bolting hole;

the bolting hole having a locking member to pass through to hold it in position;

both of said water pans mutually held in position on the contact plate of the cooling base plate;

a pipe each connecting the water inlets and the water outlets from said two units of water pans to form a closed pipeline;

water controlled by a water pump circulating in said closed pipeline;

and

the water from the closed pipeline flowing into said two units of water pans and completing heat exchange subject to the temperature difference (ΔT) of the cooling base plate to reduce the temperature of the water circulating in the water pans.

2. (new) The cooling exchanger of claim 1 wherein said ΔT is caused by controlling a conduction time.

3. (new) The cooling exchanger of claim 2 further comprising a coil, heat sinks cladding said coil, and an eccentric fan;

said coil being part of said closed pipeline; and

said eccentric fan being adapted to draw room air across said heat sinks.

4. (new) The cooling exchanger of claim 1 further comprising a coil, heat sinks cladding said

coil, and an eccentric fan;

said coil being part of said closed pipeline; and

a1

said eccentric fan being adapted to draw room air across said heat sinks.